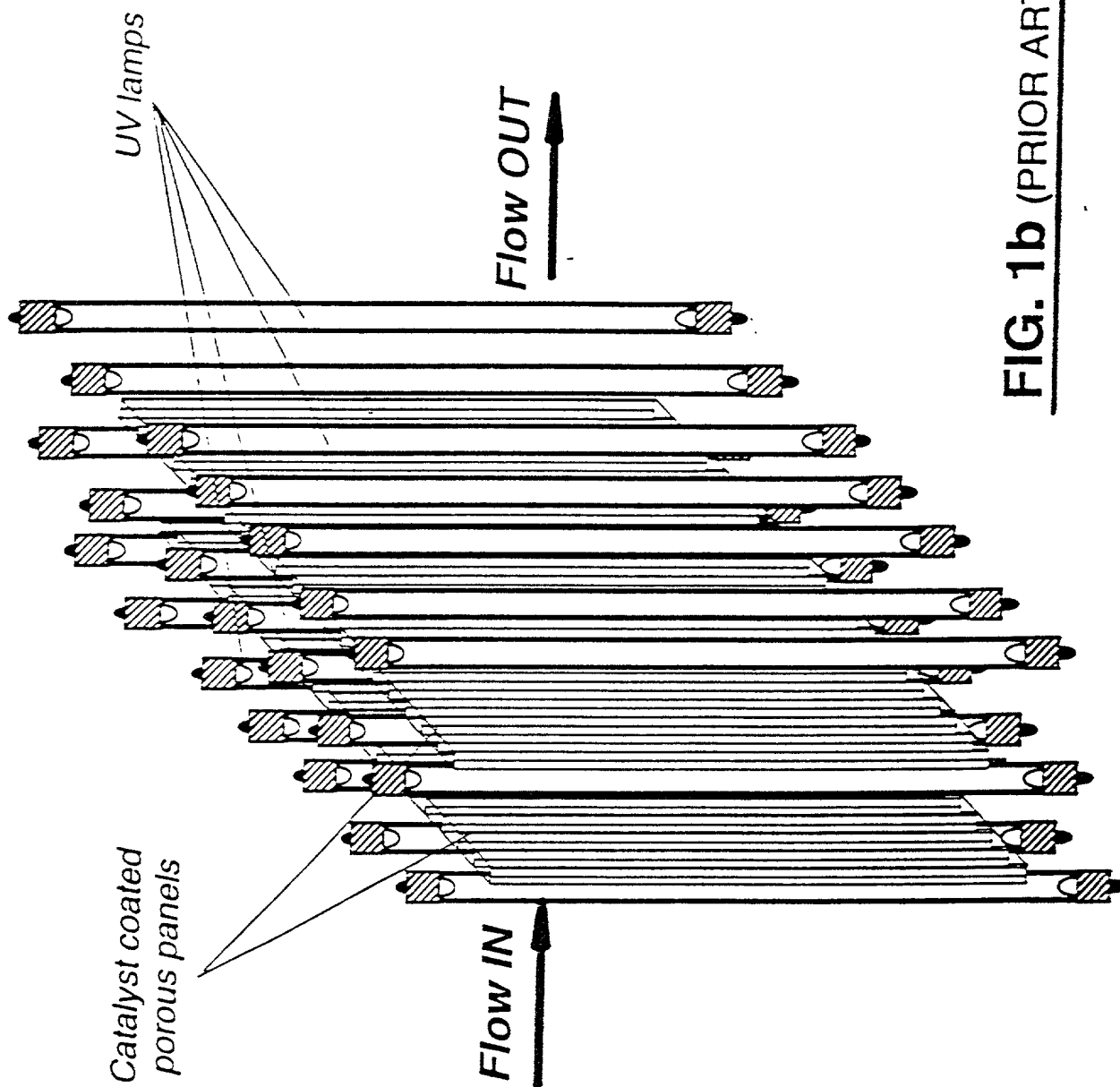
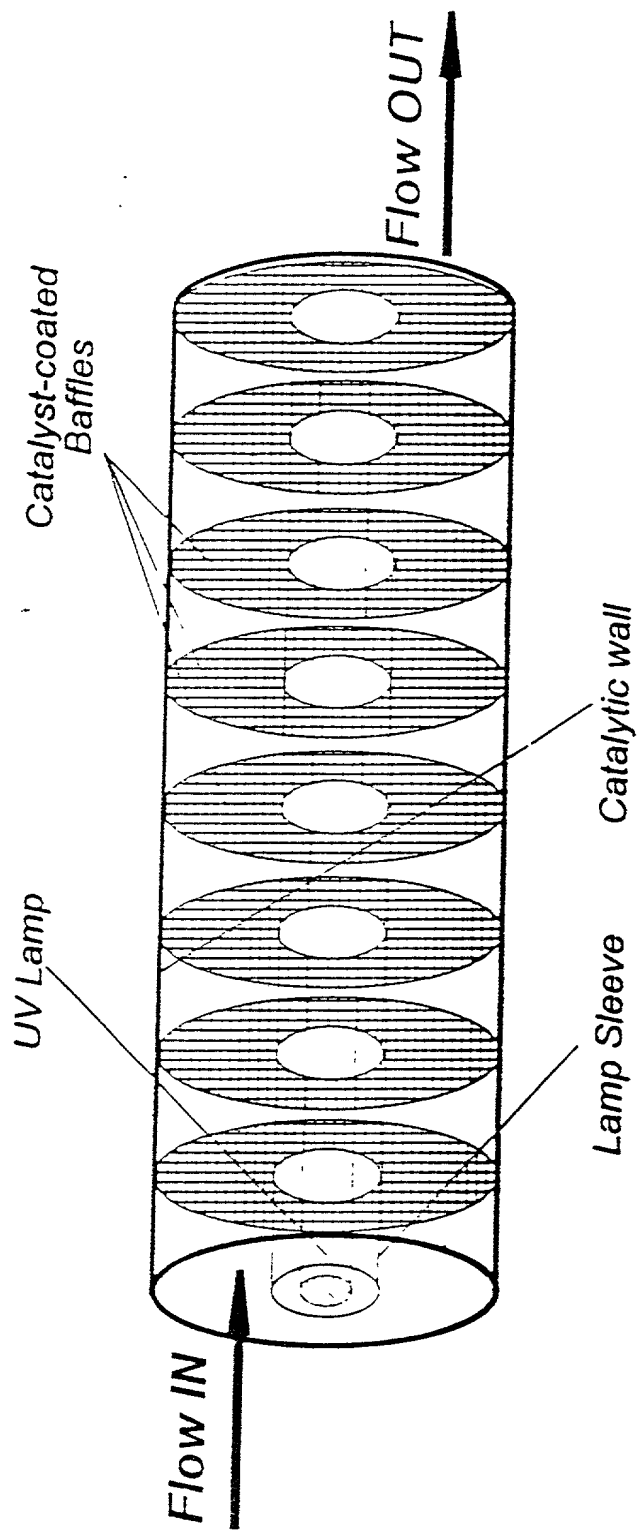


**FIG. 1a (PRIOR ART)**



**FIG. 1b** (PRIOR ART)

**FIG. 1c (PRIOR ART)**



**FIG. 2**

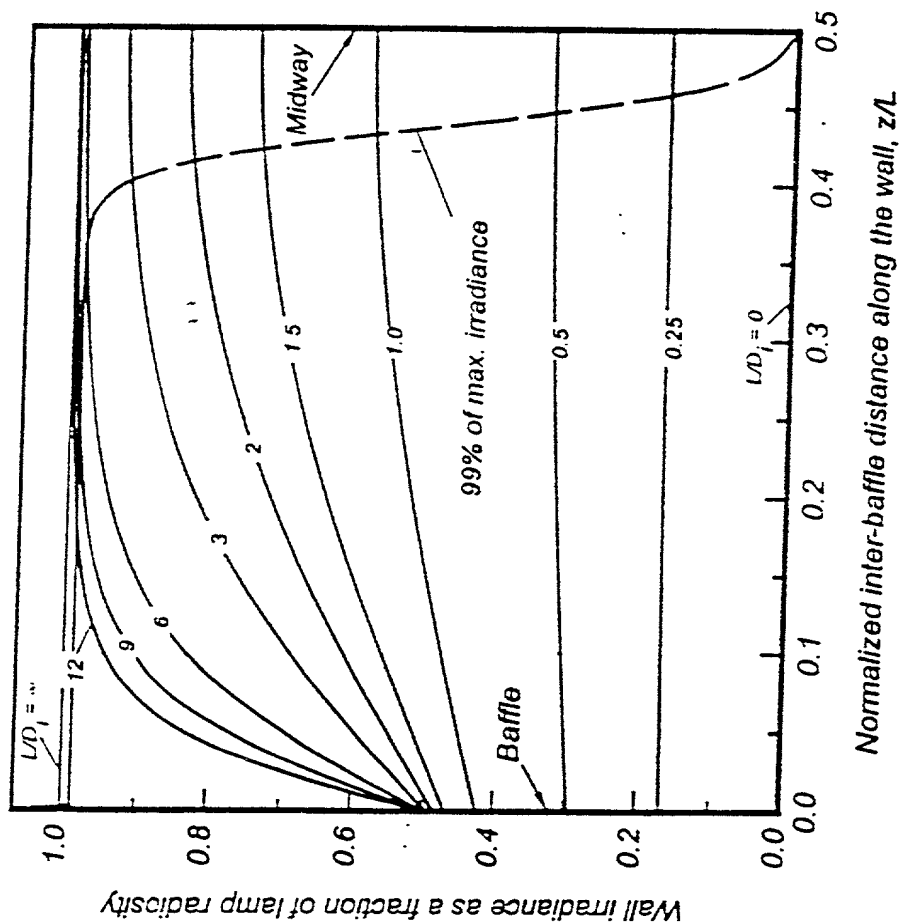


FIG. 3

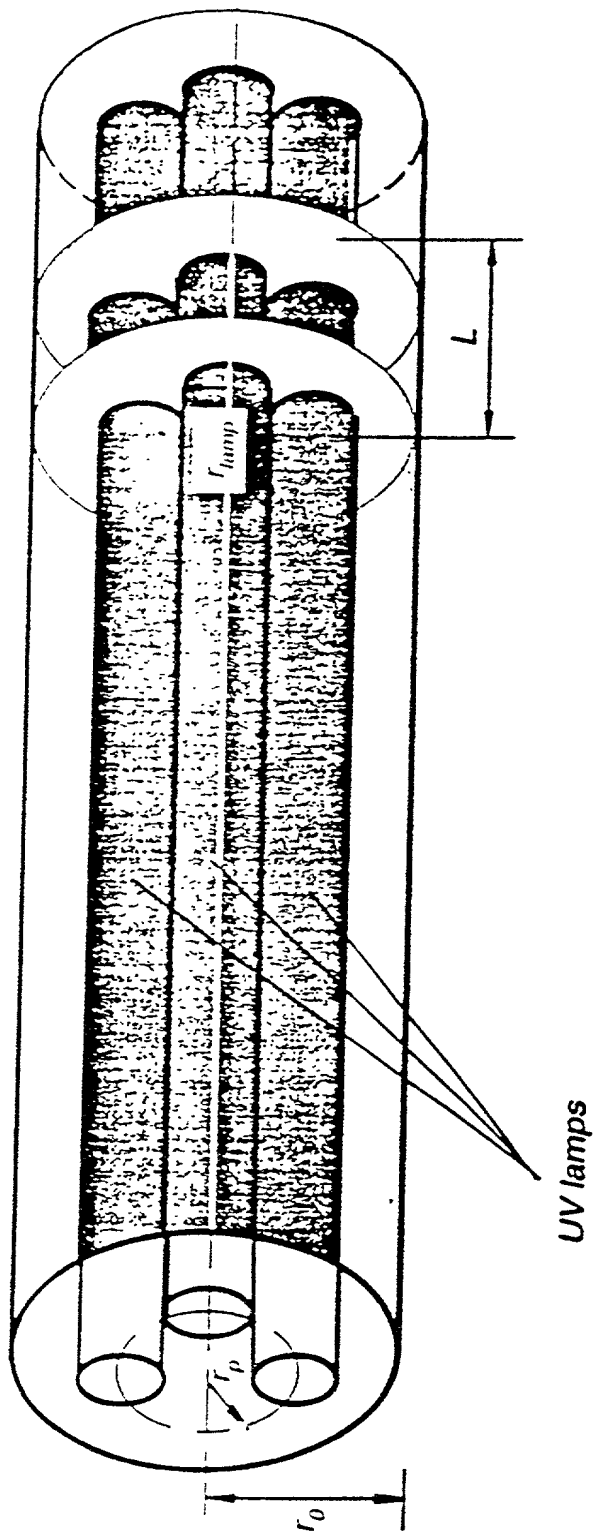
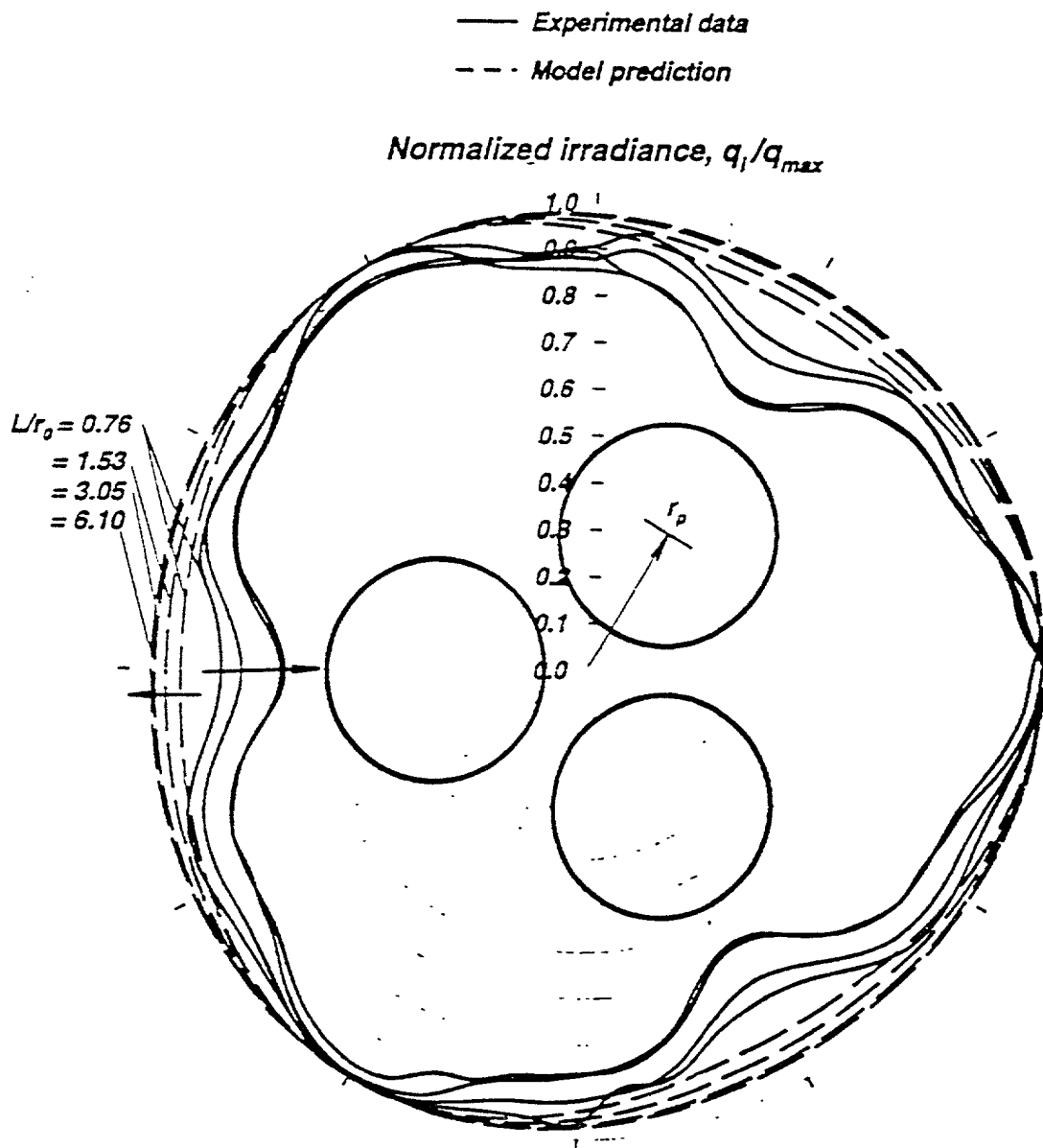
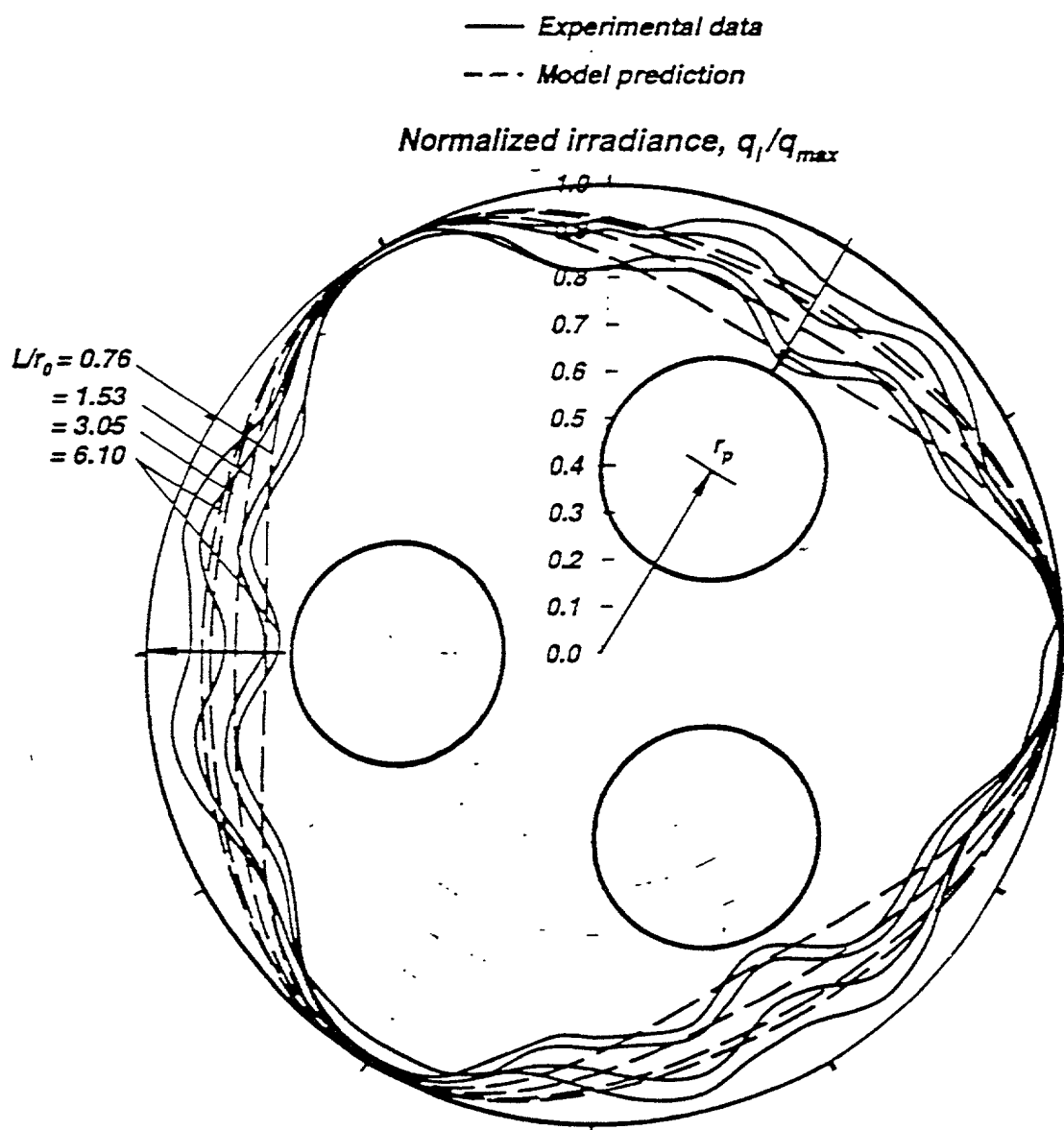


FIG. 4a



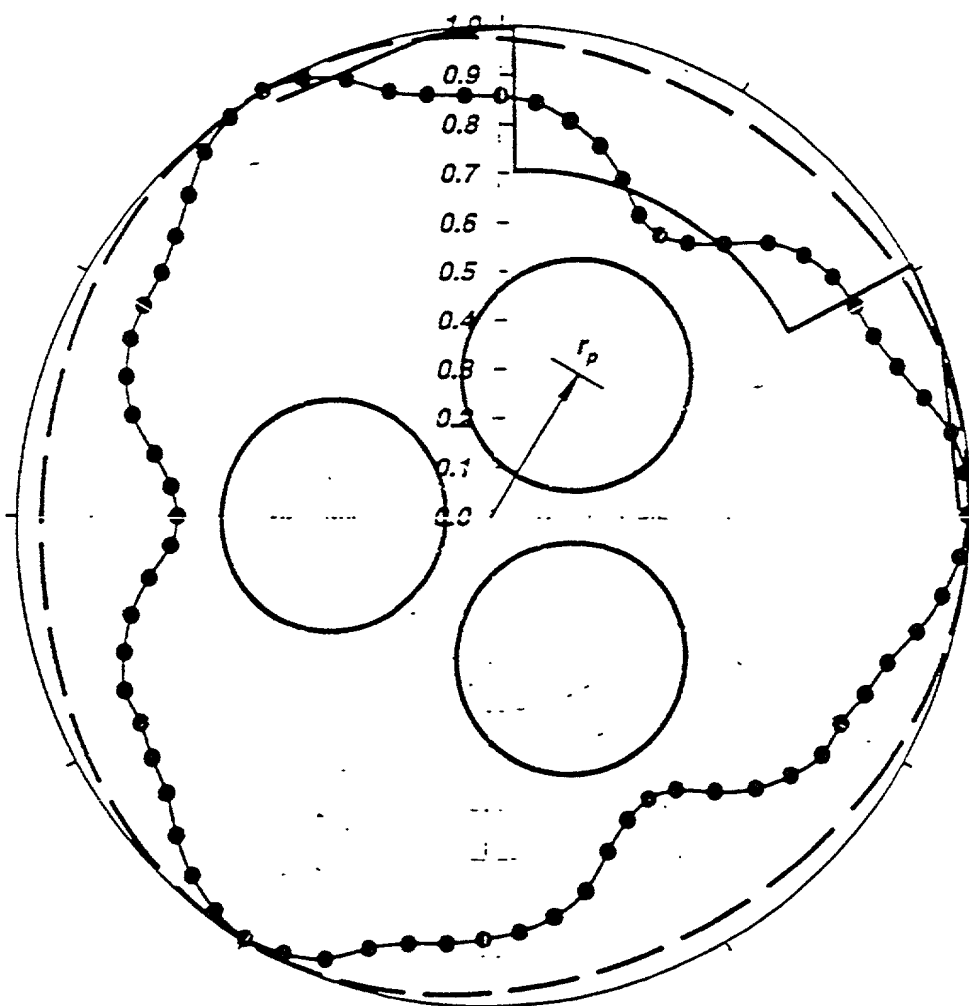
**FIG. 4b**



**FIG. 5**

- Experimental data
- - - simple line source model prediction
- line source with refraction model prediction

Normalized irradiance,  $q_i/q_{max}$



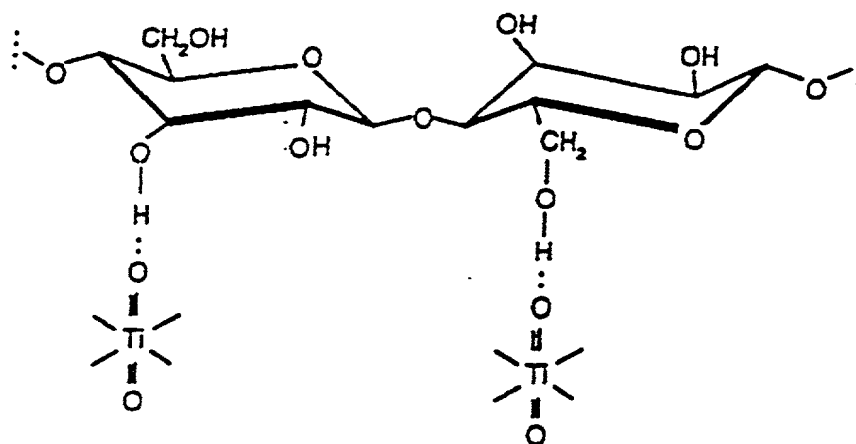


FIG. 6

FIG. 7a

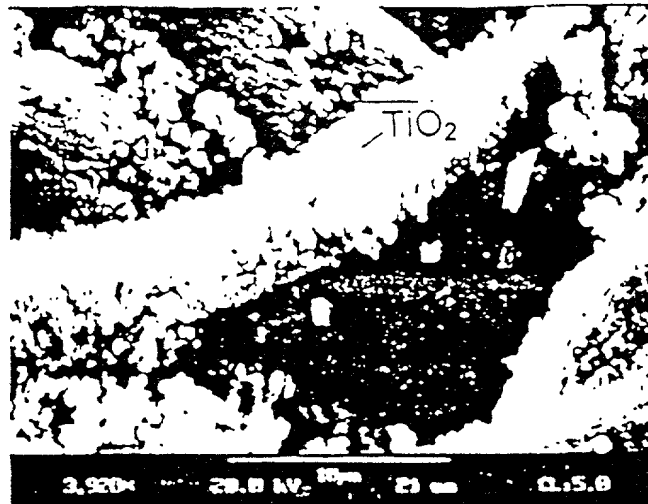


FIG. 7b  
(PRIOR ART)

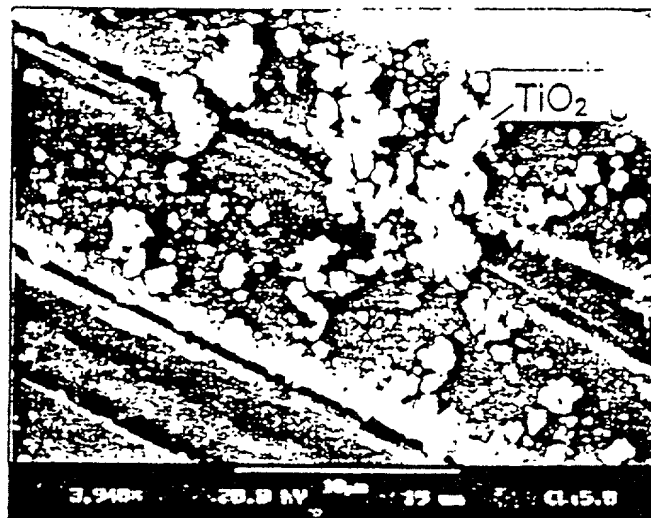


FIG. 7c  
(PRIOR ART)



FIG. 8a

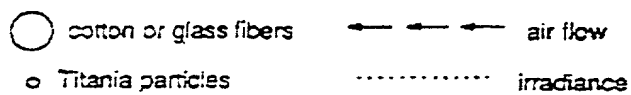
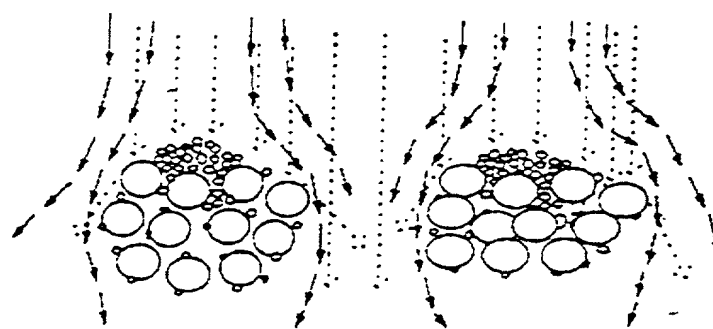
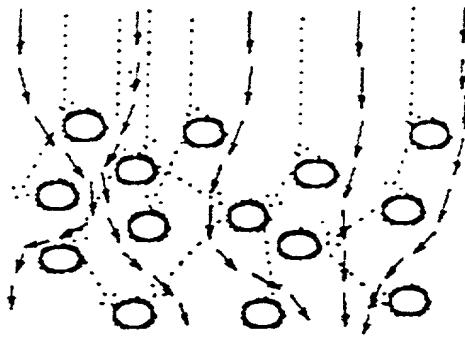


FIG. 8b  
(PRIOR ART)

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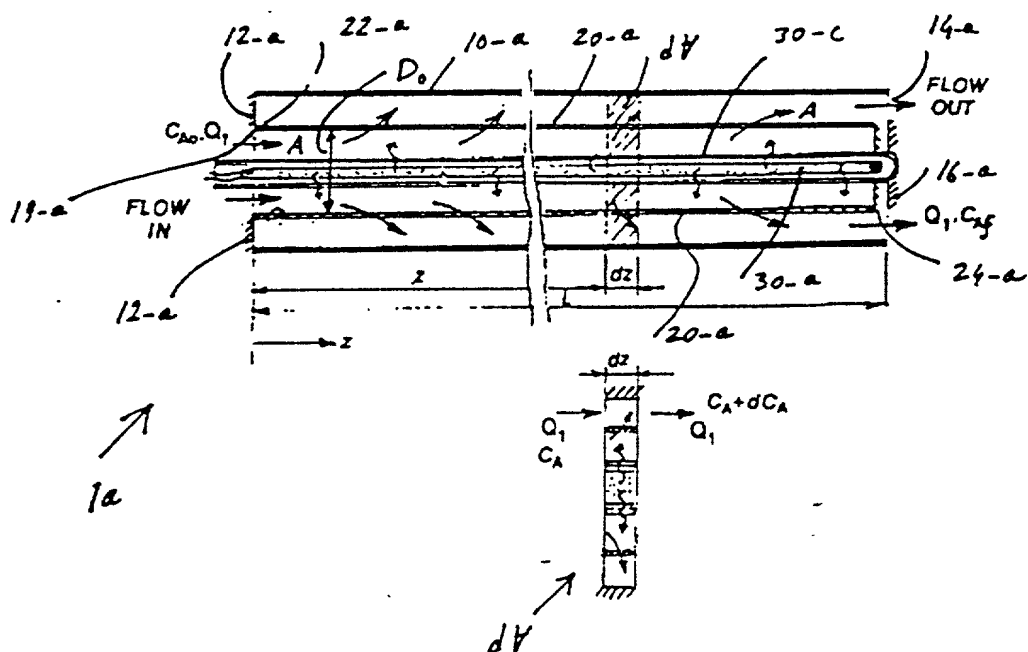
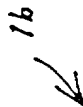
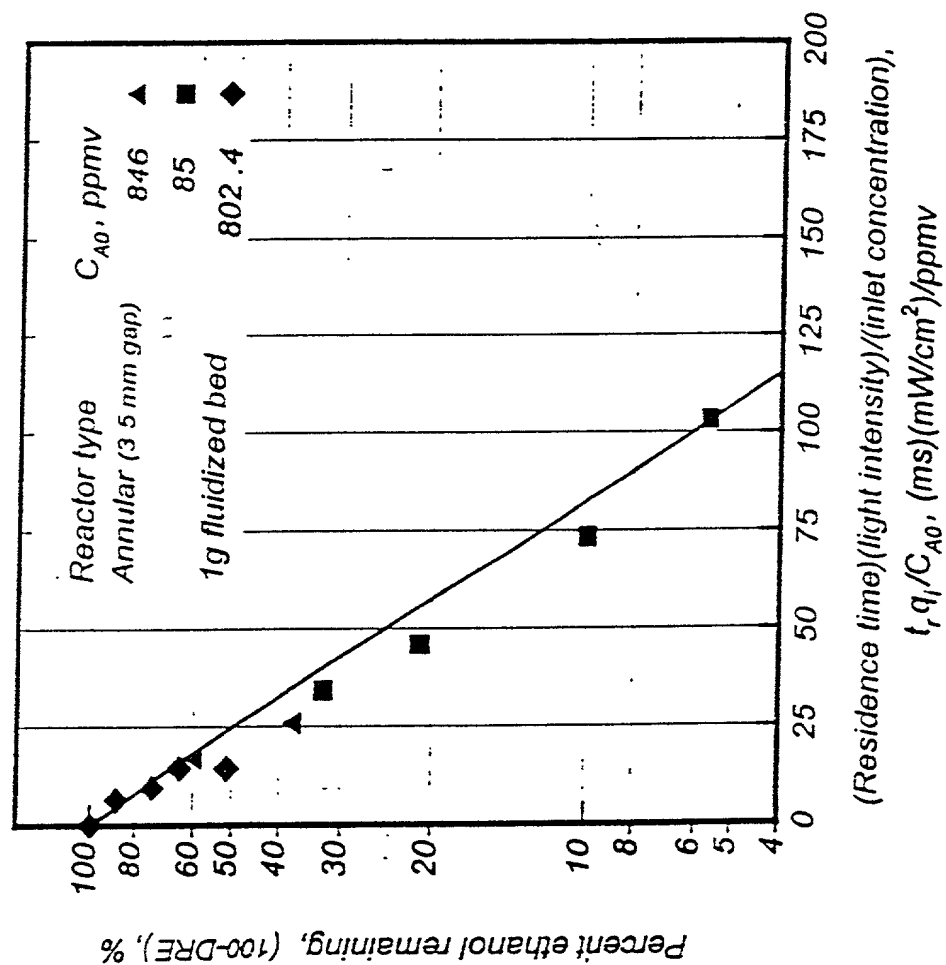


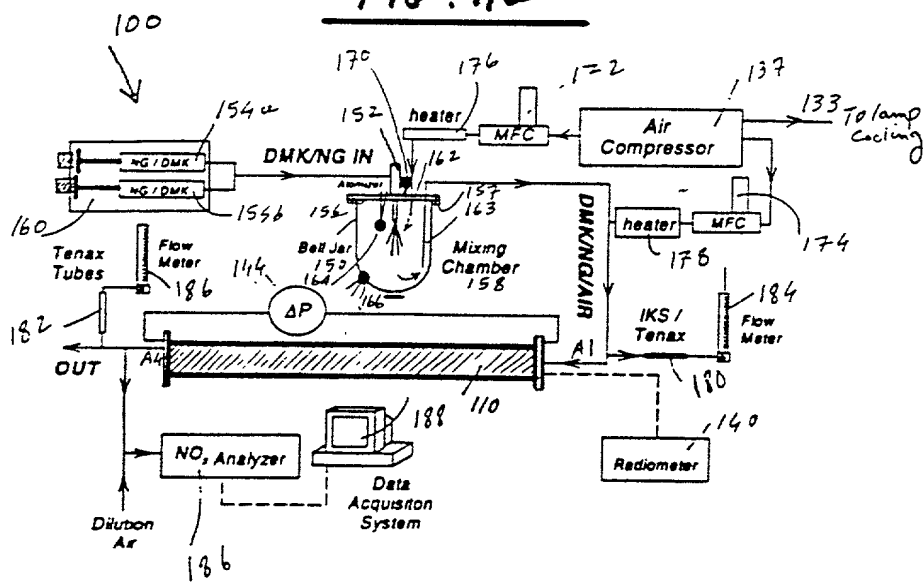
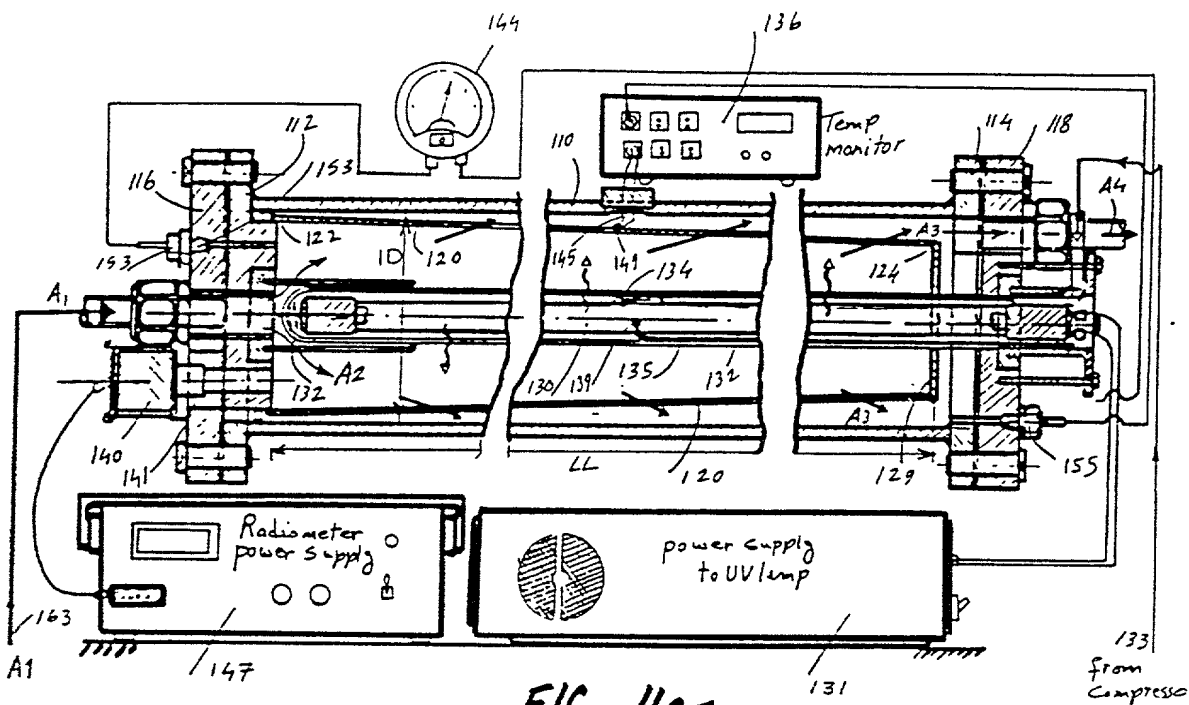
FIG. 9a



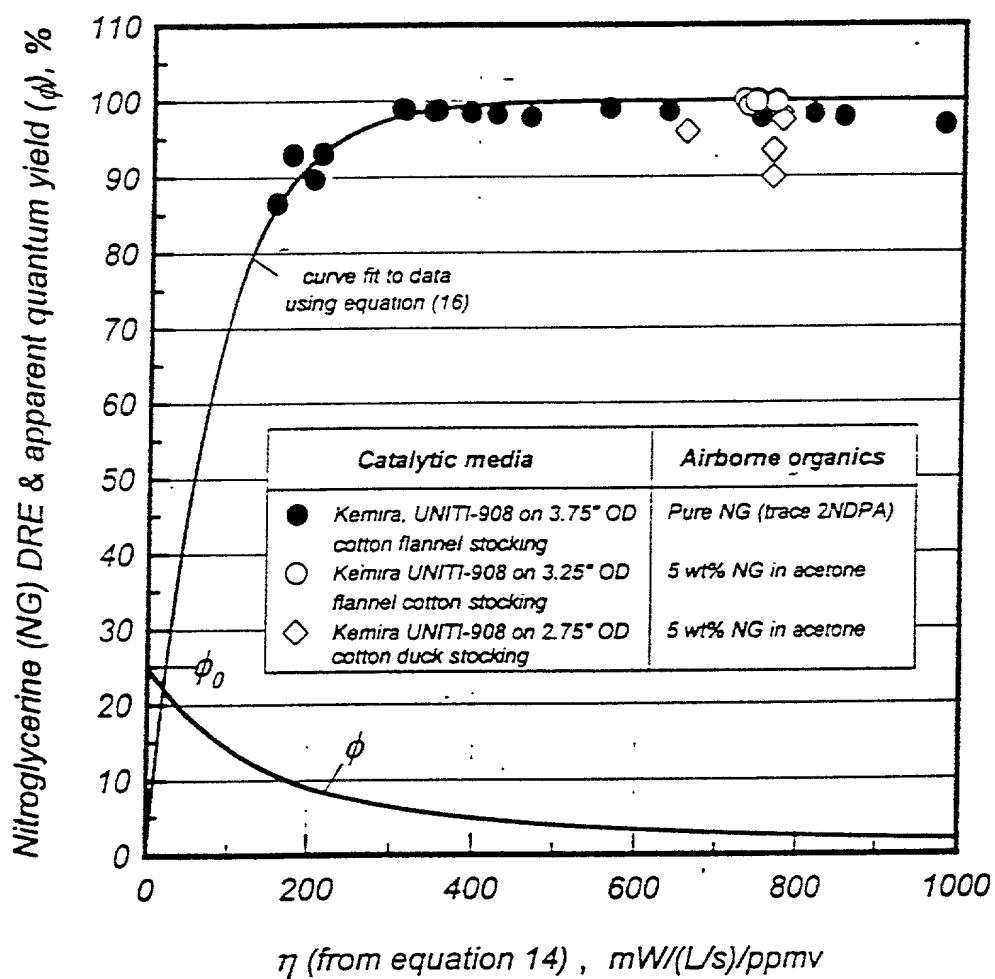
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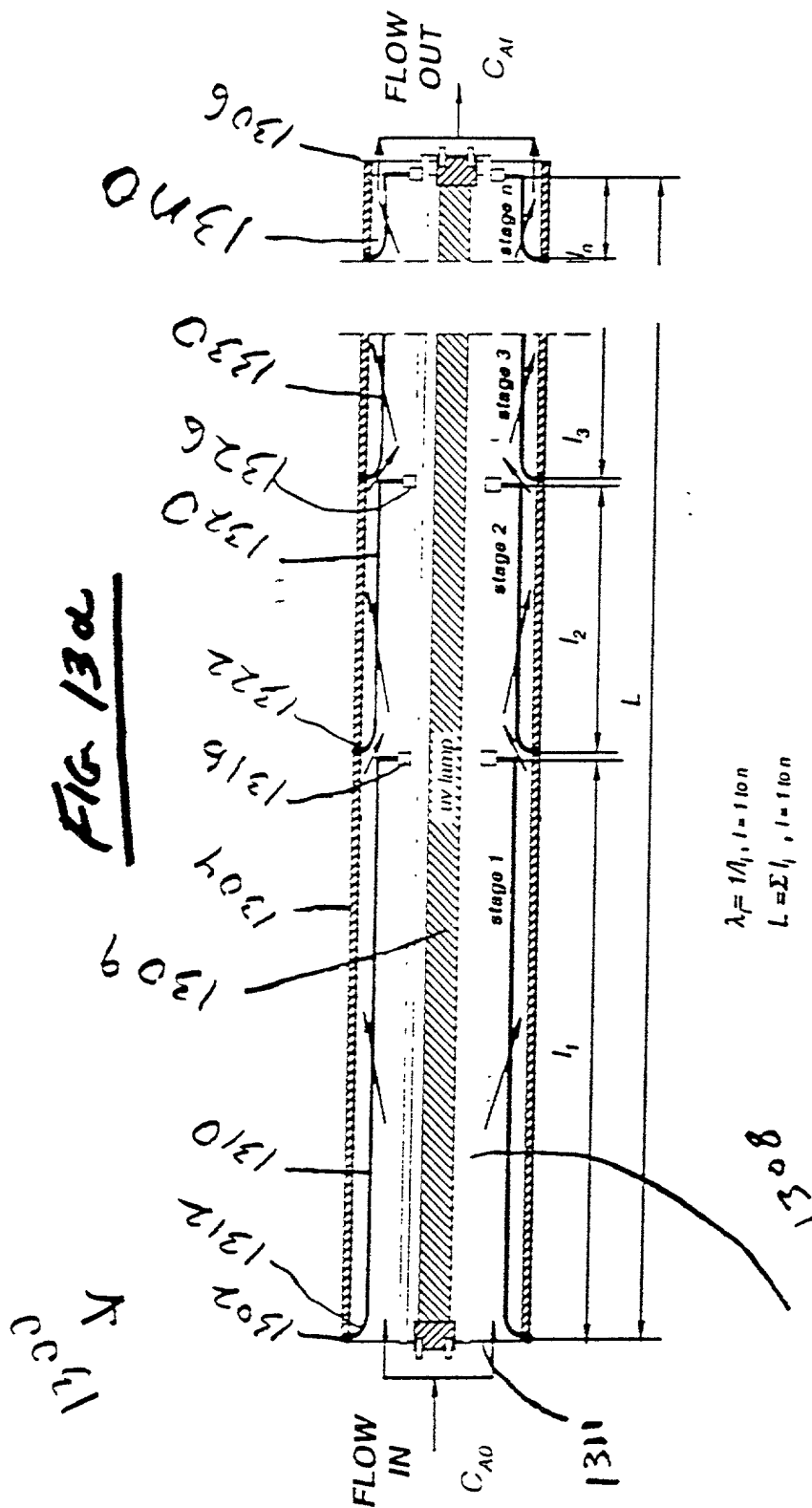
**FIG. 10**





**FIG. 12**





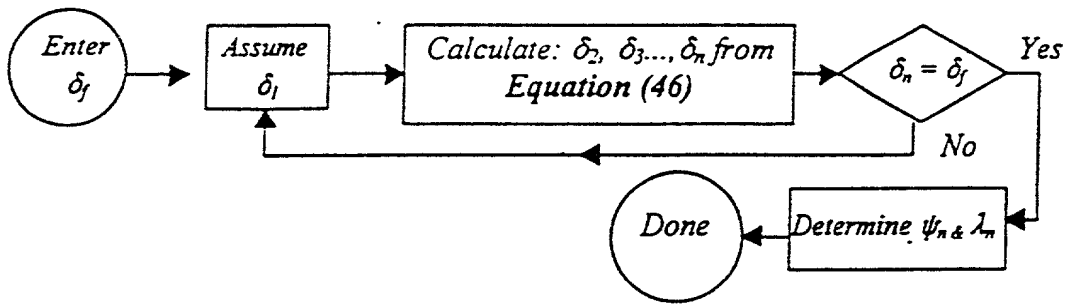


FIG. 13b

1700  
↓

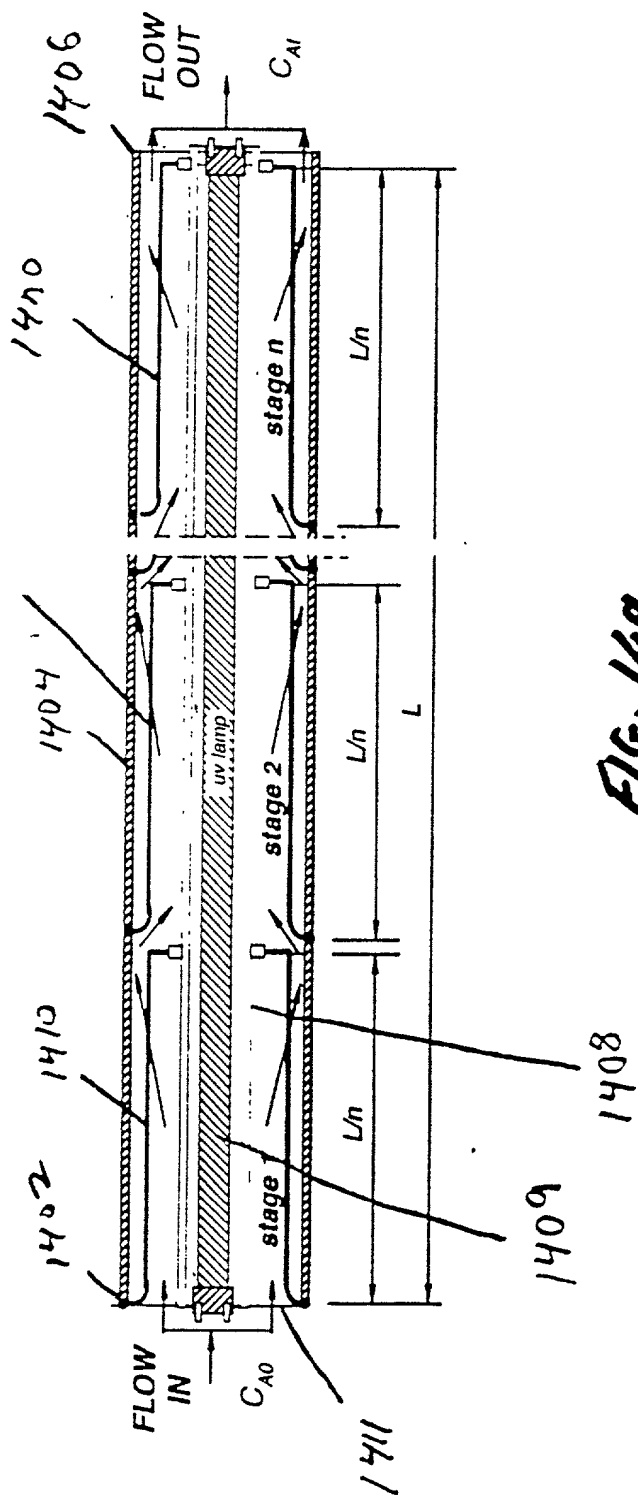


FIG. 14a

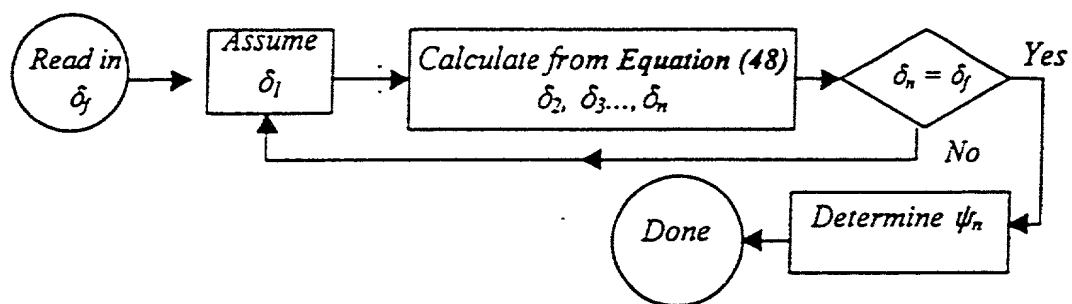
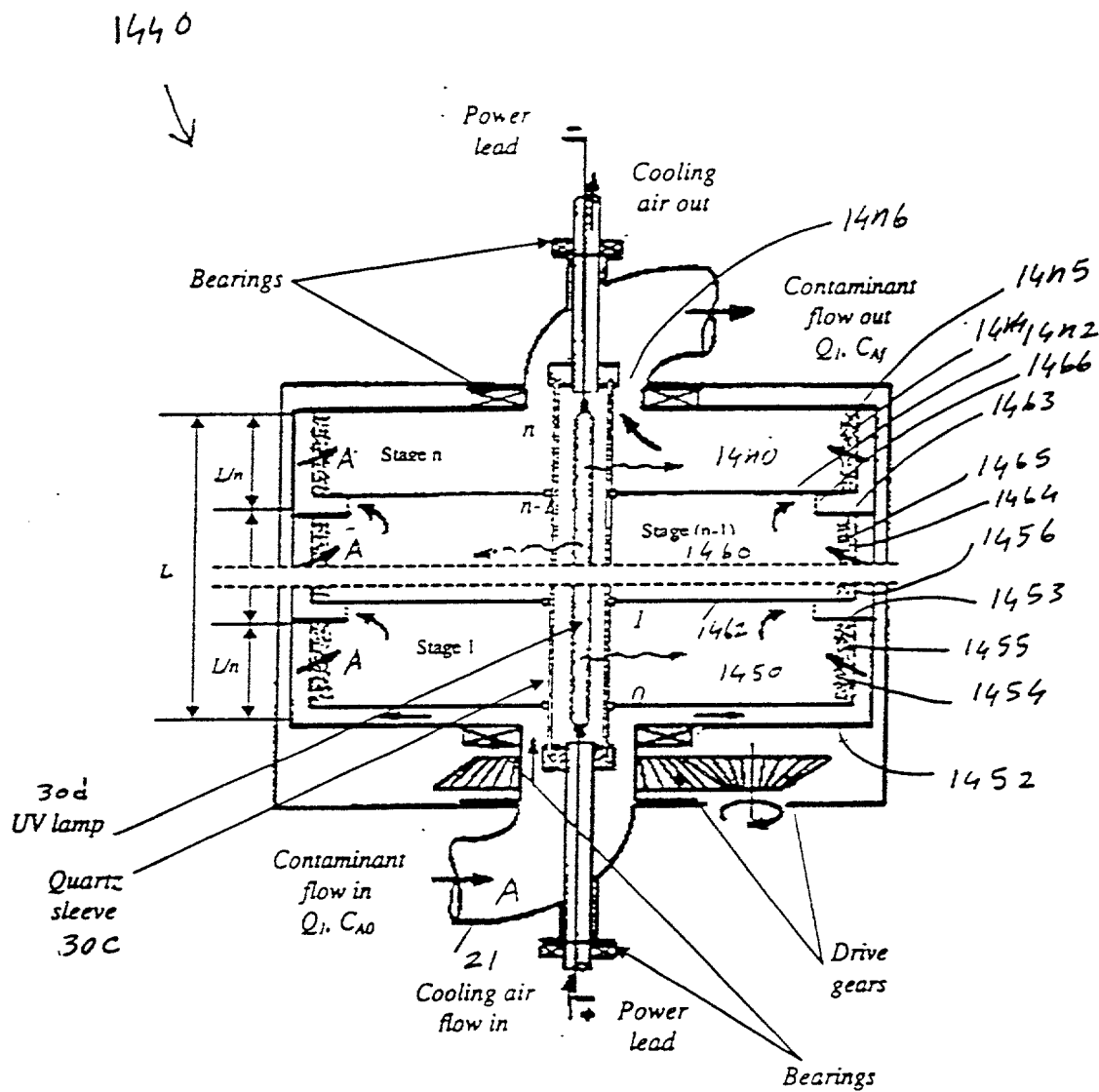
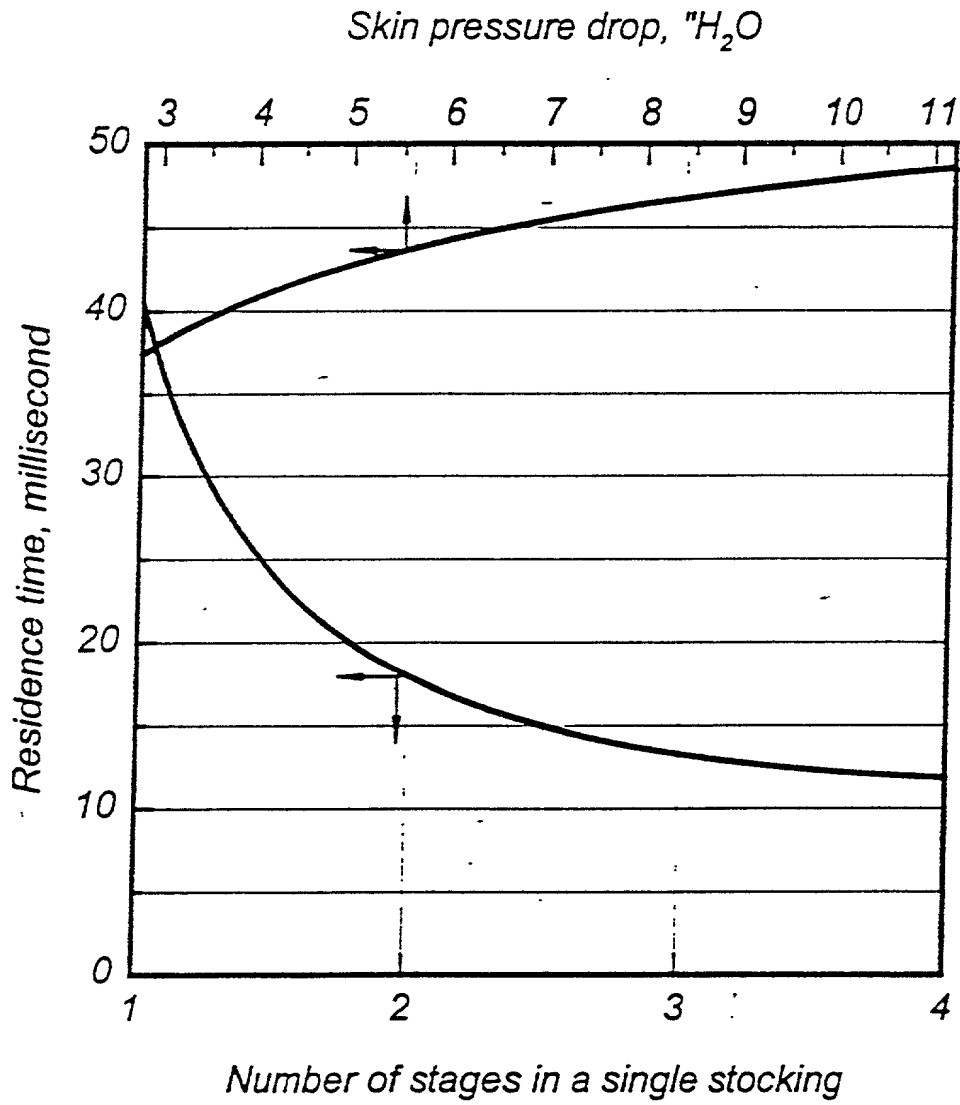


FIG. 14b



**FIG. 14C**

FIG. 15



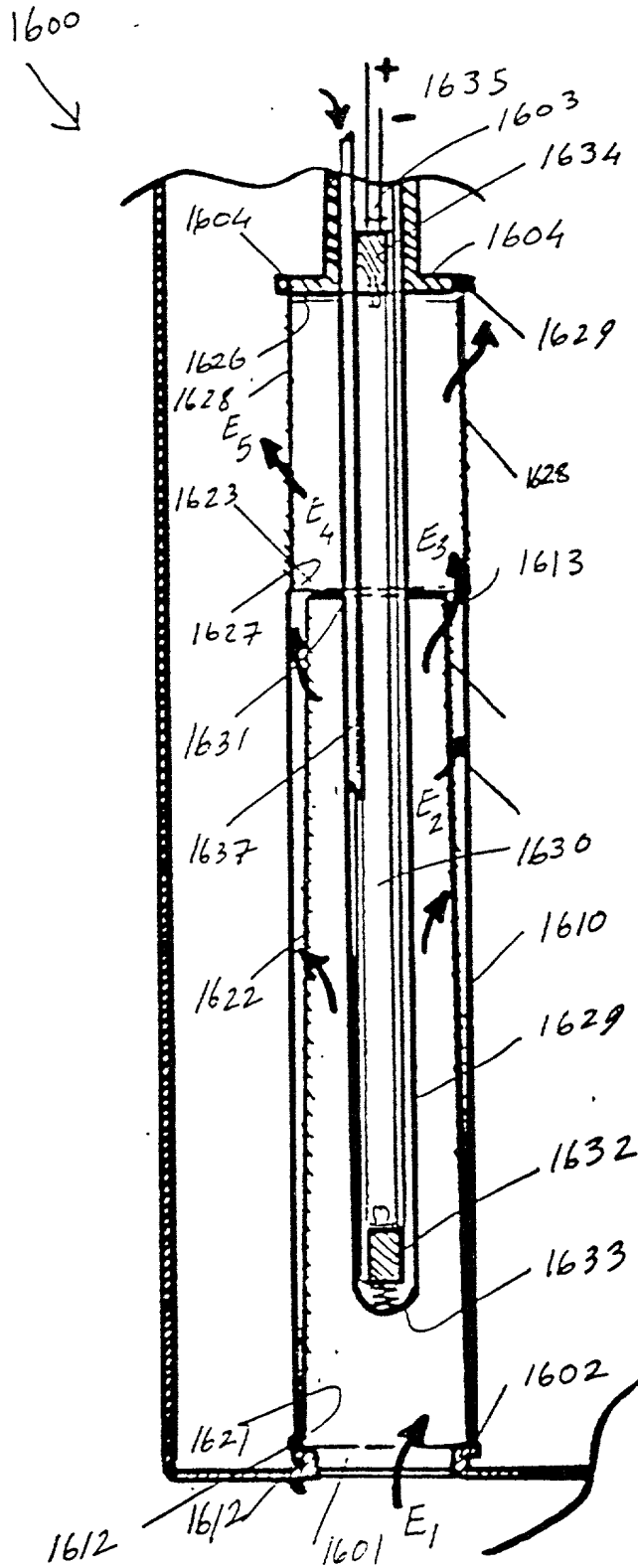


FIG. 16

1700

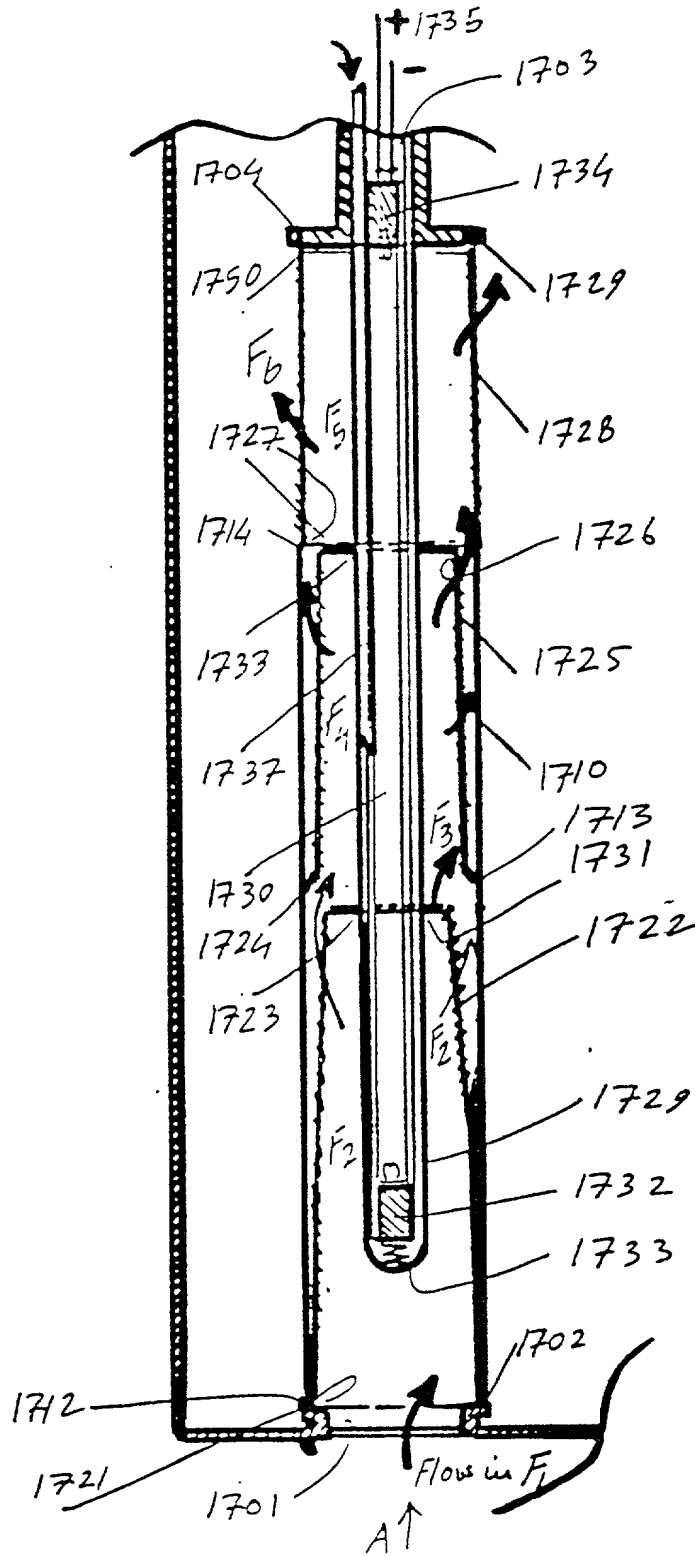


FIG. 17

TABLE 5-2

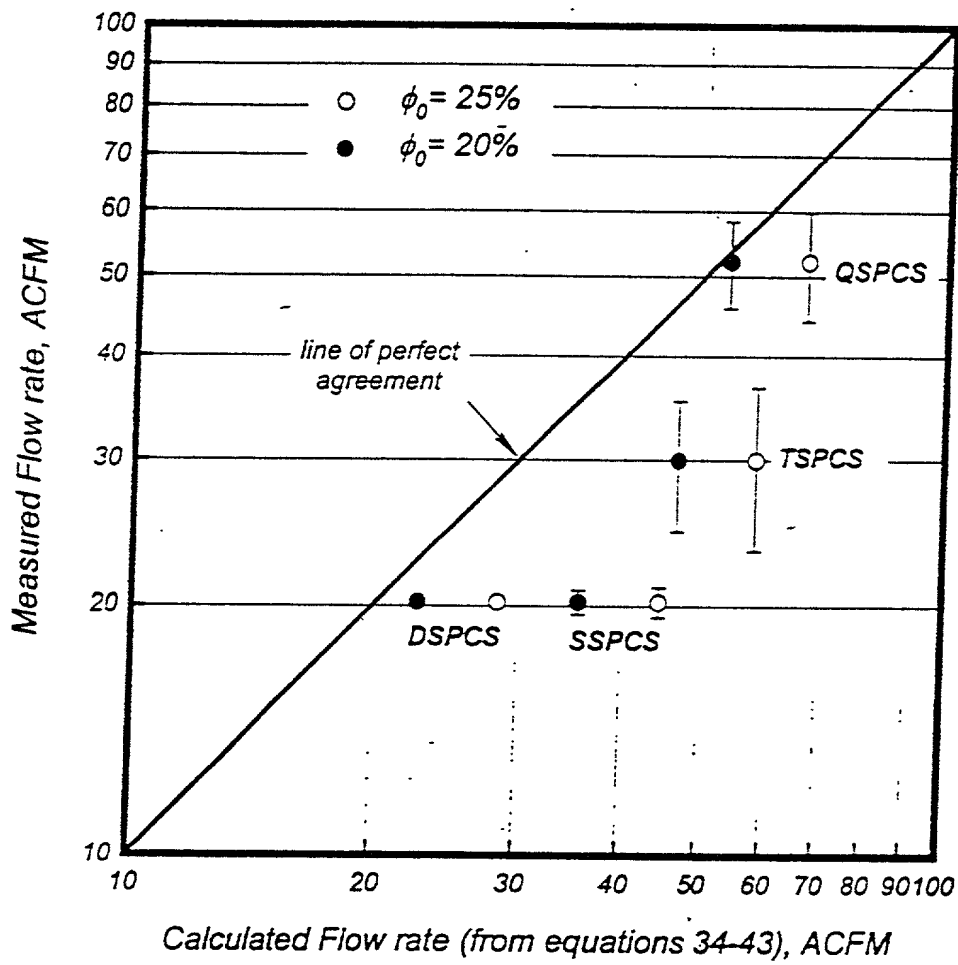
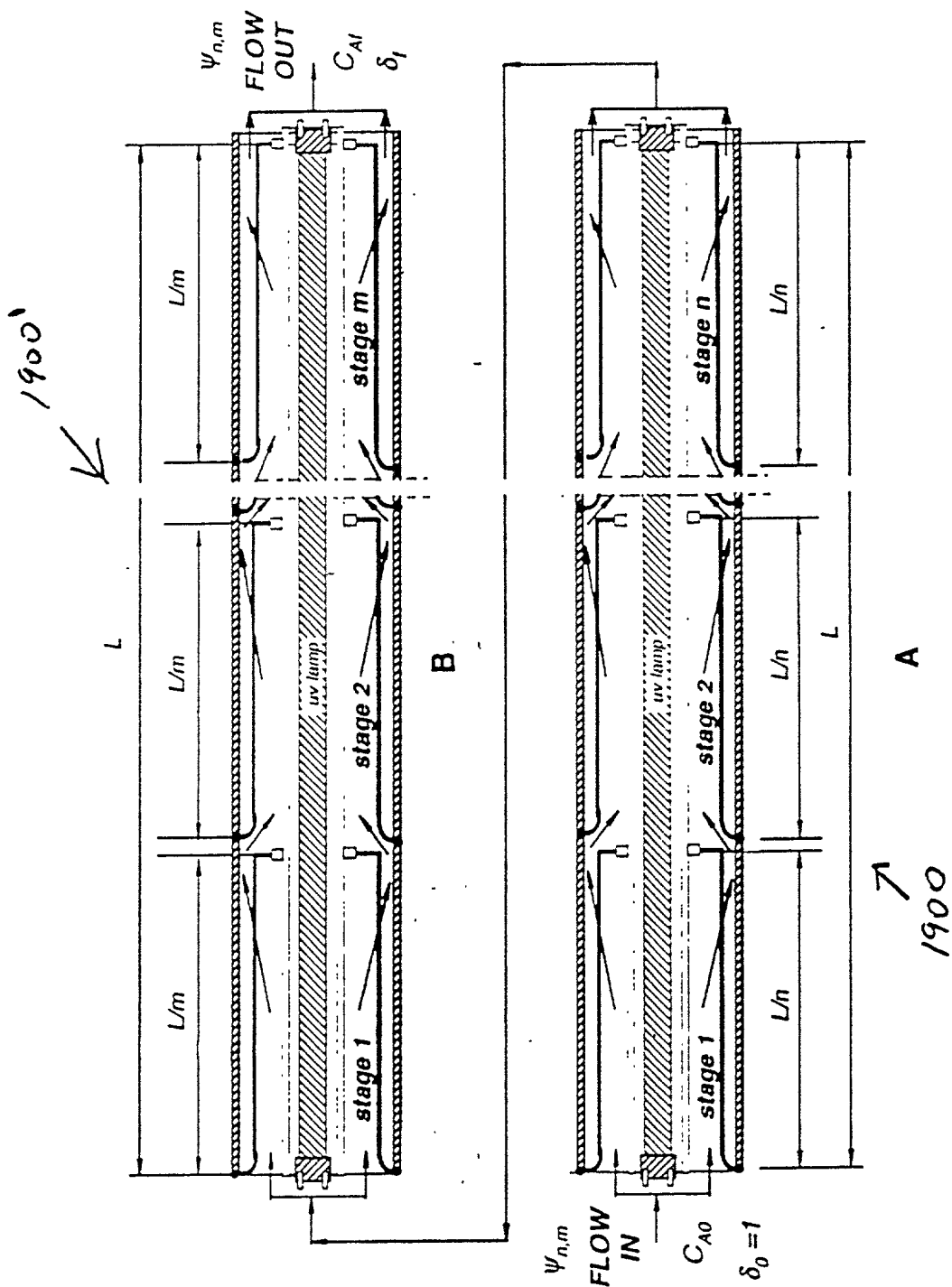


FIG. 18



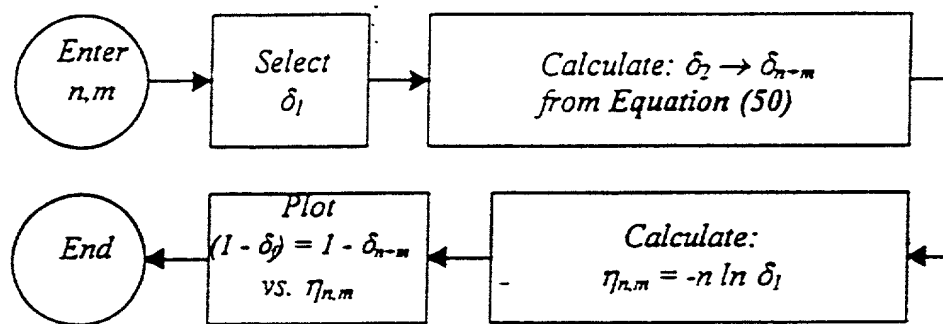
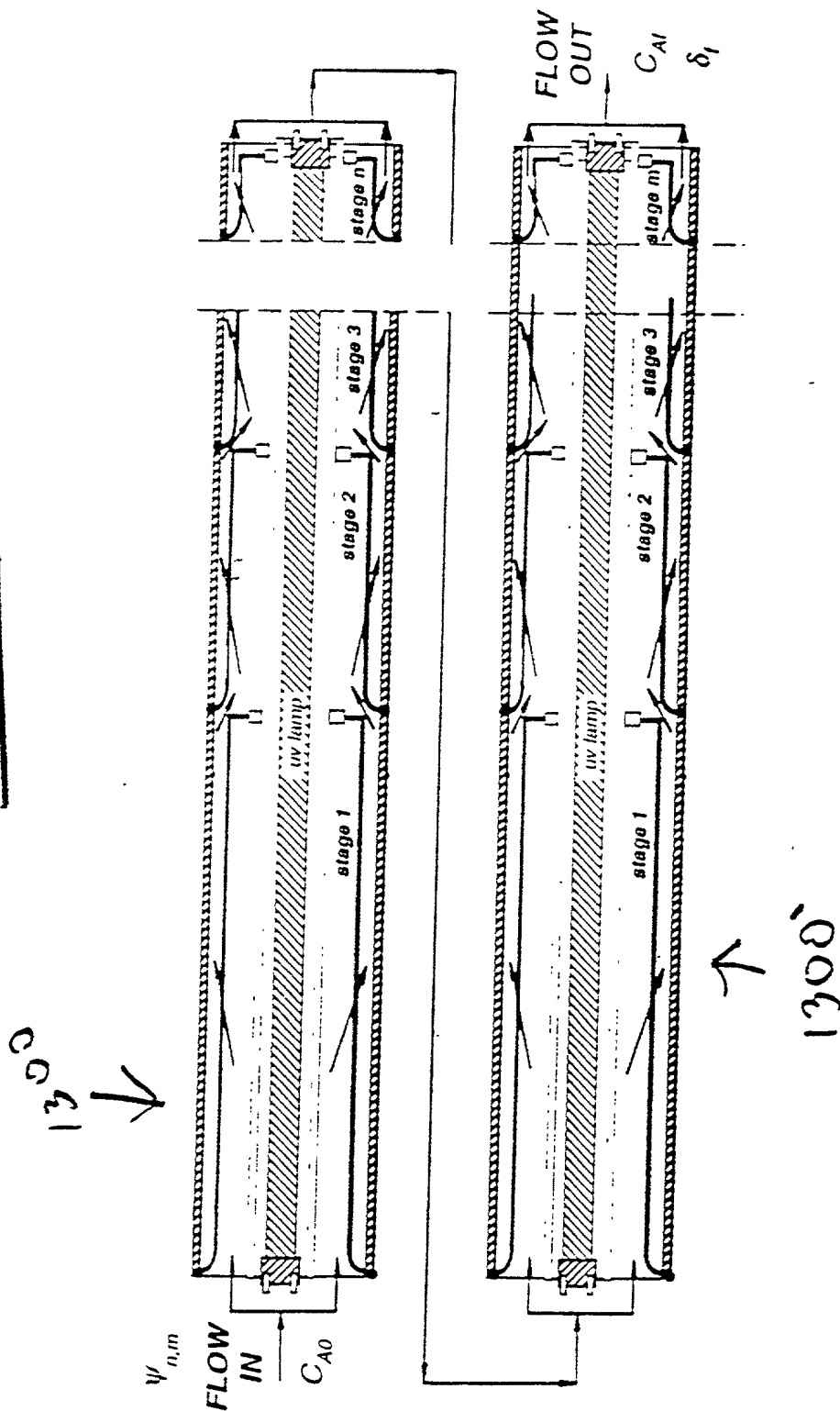
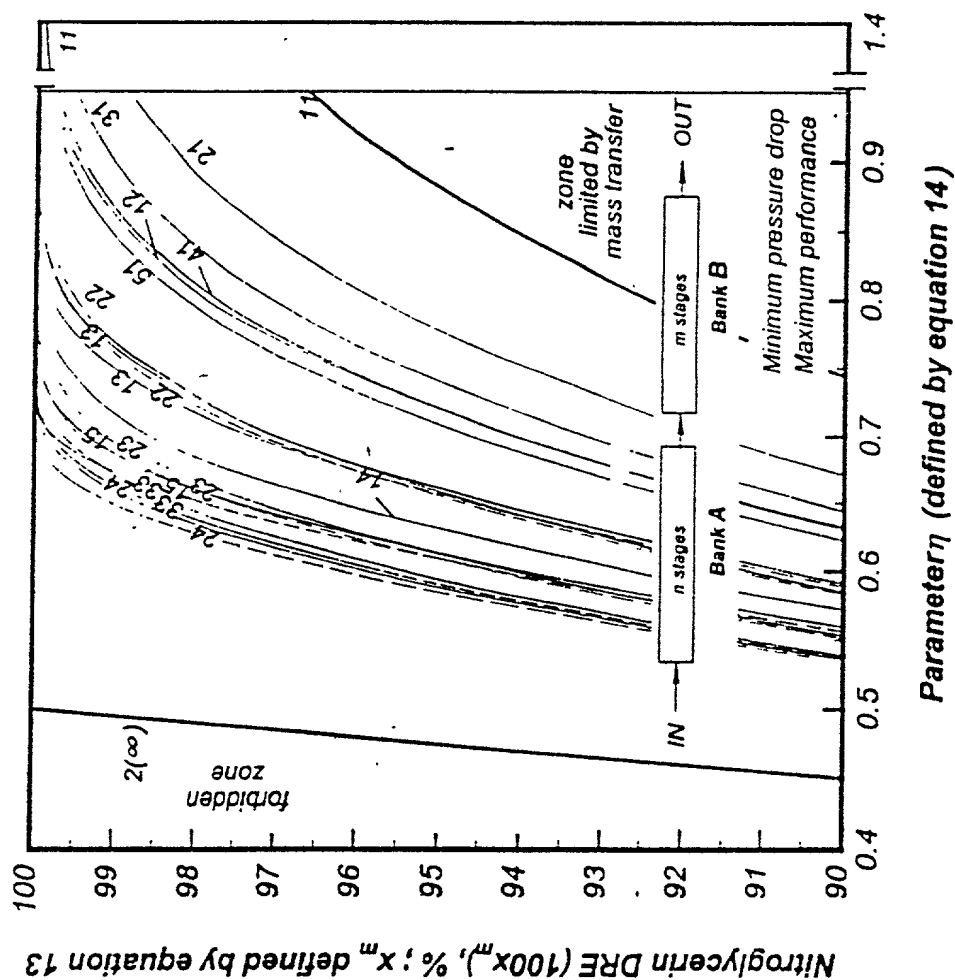


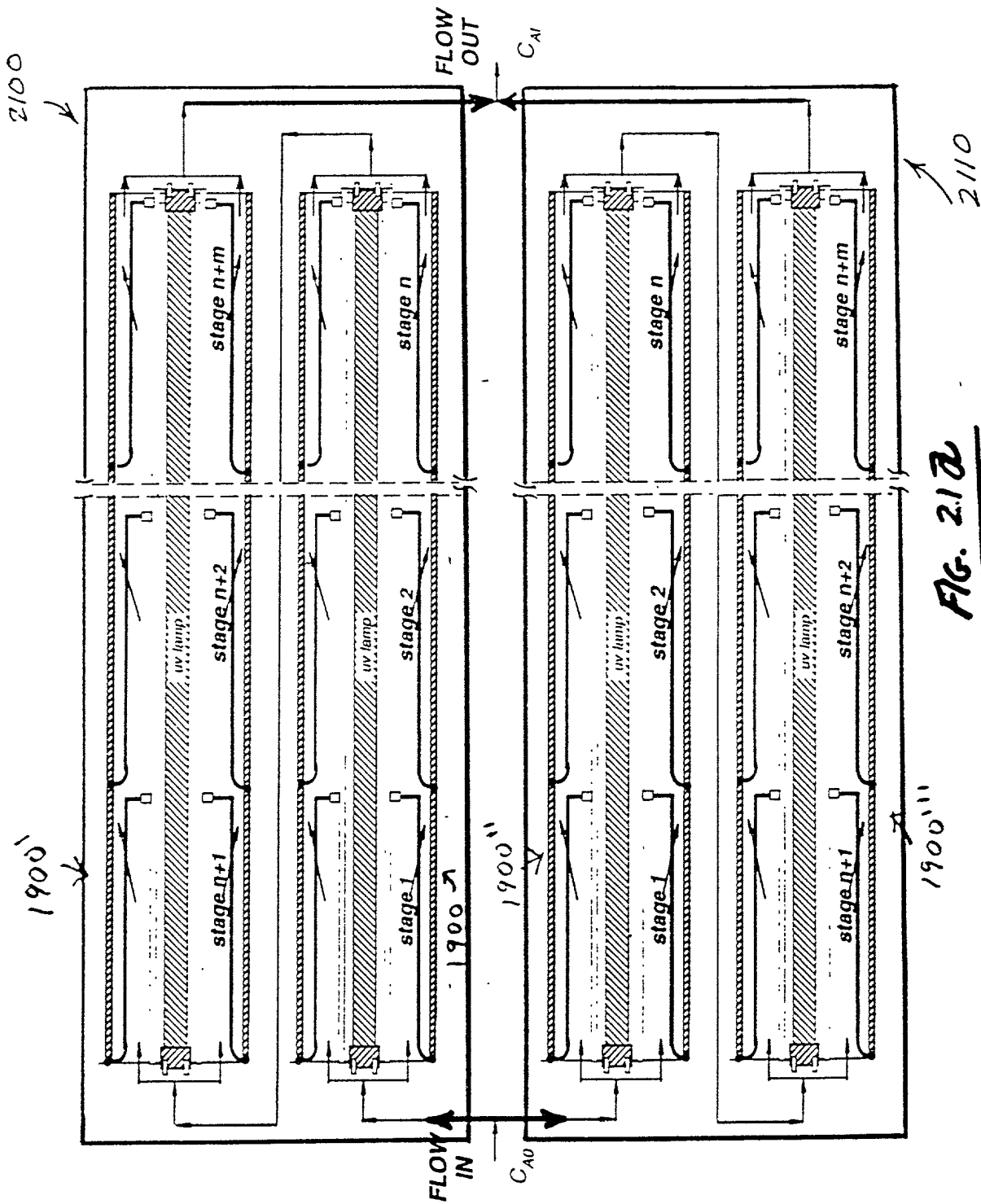
FIG. 19b

FIG. 19c



**FIG. 20**





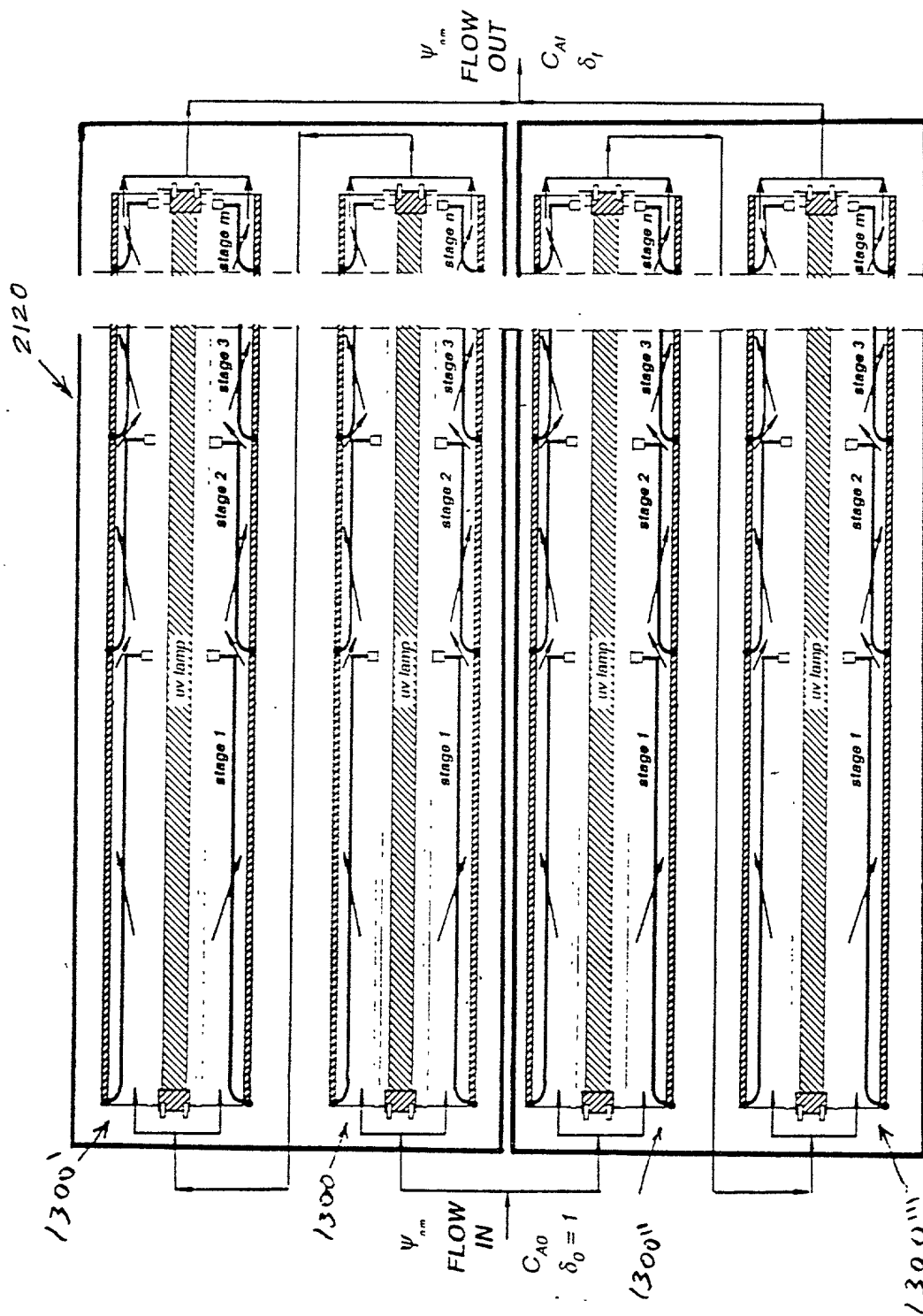
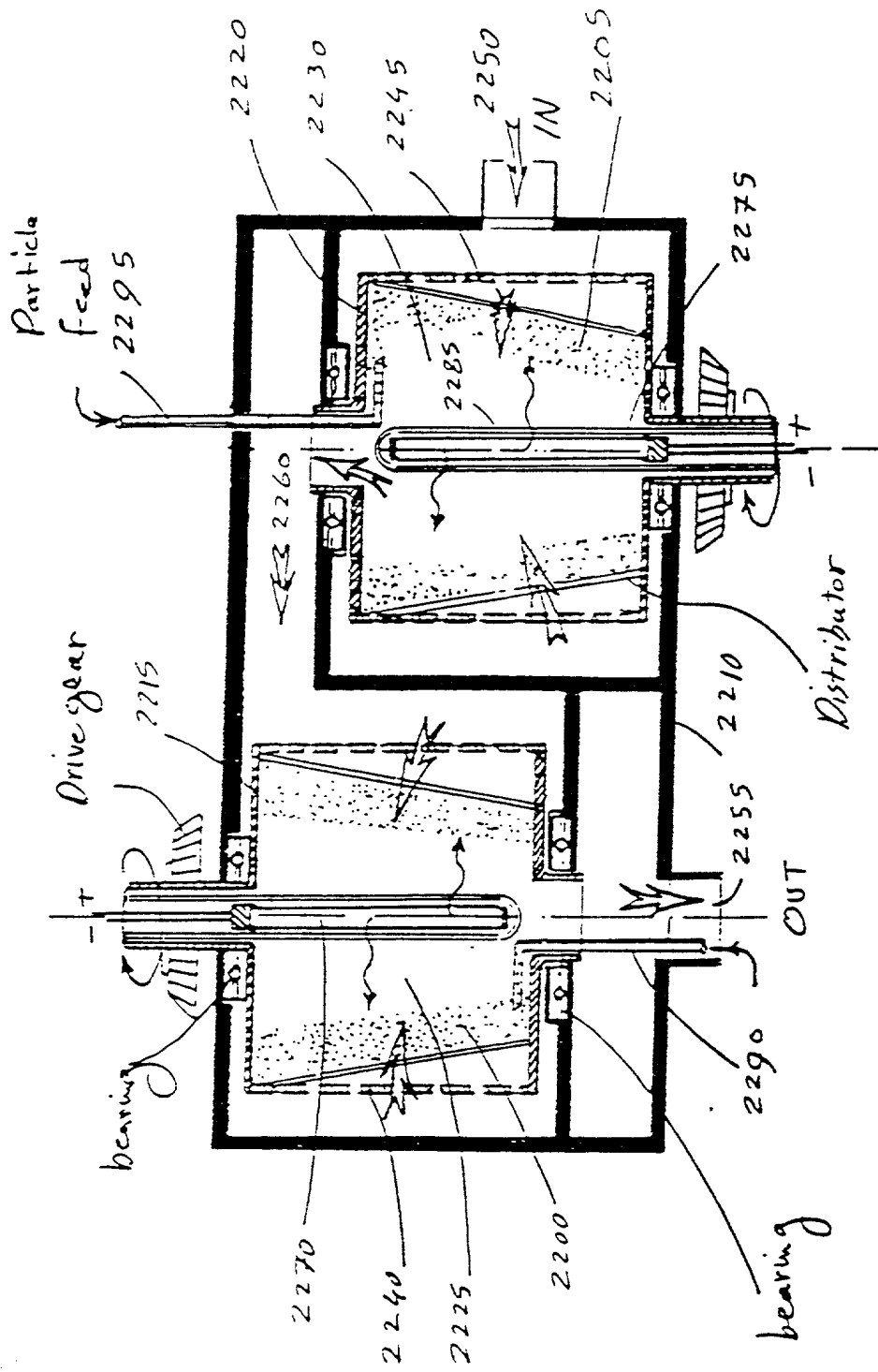


FIG. 21b



**FIG. 22**